

Reducing Petroleum Use by 50%

Conceptual Framework

Rethinking Transportation in CA

July 8, 2015

Benefits of Halving Petroleum

- Less pollution
 - About half of greenhouse gas emissions (incl. refining)
 - 80 percent of smog-forming pollution
 - 95 percent of cancer-causing diesel particulate matter
- Stronger economy
 - Reduce fuel costs and petroleum dependence costs
 - Diversify fuel supply
- Meet federal health-based air quality standards
- Meet 2030 and 2050 climate goals

Already on Our Way

- Existing policies get us about half way
 - SB 375
 - Light-duty and heavy-duty GHG standards
 - Zero emission vehicle (ZEV) requirements
 - Low Carbon Fuel Standard
- Efforts underway will outline further reductions
 - California Transportation Plan
 - Sustainable Freight Strategy
 - State Implementation Plan (air quality planning)
 - Scoping Plan

Reaching the Goal

- Build on existing climate and air quality efforts
 - Build high-speed rail
 - Continue supporting planning to reduce VMT
 - Continue current gains in vehicle efficiency
 - Continue to implement and then strengthen LCFS
 - Continue supporting ZEV markets (LDV and HDV)
 - Continue supporting renewable fuel production through cap-and-trade and other incentives

Sample Path to 50% Reduction

